

## ABSTRACT

Two reflection surfaces that are a first reflection surface (2) and a second reflection surface (3), each in a non-axisymmetric form, are disposed in the stated order in a direction in which light fluxes travel, and bring light fluxes from an object into focus on an image surface (4). The first reflection surface (2) and the second reflection surface (3) are provided eccentrically, and each of the first reflection surface (2) and the second reflection surface (3) is concave in a cross-sectional shape taken along a plane containing a center of the image surface (4) and vertices of the reflection surfaces (2, 3). This ensures that light fluxes are guided to the image surface without being blocked, whereby an excellent image can be formed. Thus, a reflective optical device with a wider angle and improved performance can be provided.

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